

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
5 June 2003 (05.06.2003)

PCT

(10) International Publication Number
WO 03/047215 A3

(51) International Patent Classification: **H04L 12/403,**
29/12

Richard; 432 Humphrey Street, Swampscott, MA 01907
(US). ULLRICH, Luther; Chemnitzer Street 4/B, 61191
Rosbach (Hessen) (DE).

(21) International Application Number: PCT/US02/37060

(74) Agent: GOLDEN, Larry, I.; Square D Company, 1415 S.
Roselle Road, Palatine, IL 60067 (US).

(22) International Filing Date:
20 November 2002 (20.11.2002)

(84) Designated States (regional): European patent (AT, BE,
BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT,
LU, MC, NL, PT, SE, SK, TR).

(25) Filing Language: English

(26) Publication Language: English

Published:

— with international search report
— before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

(30) Priority Data:
10/004,311 26 November 2001 (26.11.2001) US

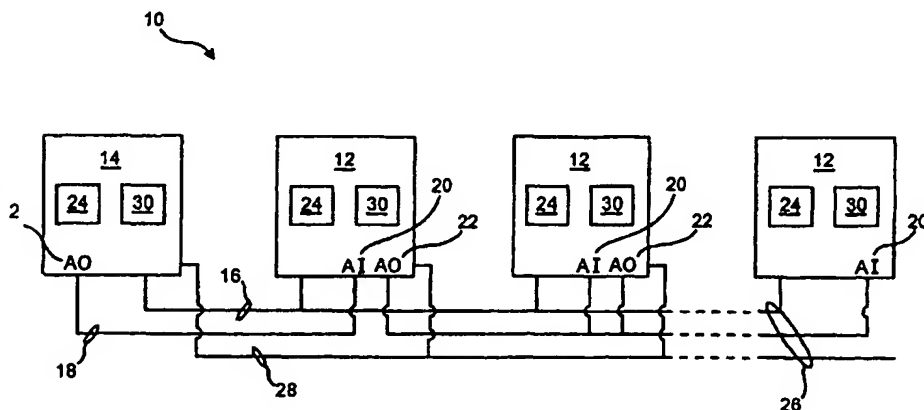
(71) Applicant: SCHNEIDER AUTOMATION INC.
[US/US]; One High Street, North Andover, MA 01845
(US).

(88) Date of publication of the international search report:
28 August 2003

(72) Inventors: WHITE, William, A., III; 97 Sunset Road,
Carlisle, MA 01741 (US). WOLEJKO, Paul, G.; 3 Willow
Avenue, Newburyport, MA 01950 (US). CHISHOLM,

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND APPARATUS FOR ASSIGNING A NETWORK NODE ADDRESS



(57) Abstract: A method and apparatus for assigning a permanent identifier to a client node initially having a default identifier and being operably connected to a network. A server determines a location of the client node and assigns the permanent identifier to the client node in response to the location of the client node on the network.

WO 03/047215 A3

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

Additional Application No
PCT/US 02/37060

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L12/403 H04L29/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 197 33 906 A (SIEMENS AG) 11 February 1999 (1999-02-11) abstract column 1, line 1 - column 3, line 63 figure 1	1,4,7,10
A	---	2,8
A	DE 196 21 272 A (BOSCH GMBH ROBERT) 27 November 1997 (1997-11-27) abstract -----	1,2,4,7, 8,10

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

27 March 2003

Date of mailing of the international search report

04 07 2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Nocentini, I

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 02/37060

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-4, 7-10

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-4,7-10

A method for assigning a network address to a plurality of node characterised by transmitting a toggle signal, the toggle signal having an amount of state transition.

2. Claims: 5-6,11-12

A method for assigning a network address to a plurality of node characterised by inserting an additional node to the network and identifying said node.

3. Claims: 13-16

A bus network comprising a separate bus for data and a separate bus for addressing.

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/US 02/37060

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 19733906	A	11-02-1999	DE 19733906 A1	11-02-1999
			AT 231669 T	15-02-2003
			CN 1266574 T	13-09-2000
			WO 9908164 A2	18-02-1999
			DE 59807028 D1	27-02-2003
			EP 1020051 A2	19-07-2000
			HU 0002927 A2	29-01-2001
			JP 2001512944 T	28-08-2001
			PL 343866 A1	10-09-2001
DE 19621272	A	27-11-1997	DE 19621272 A1	27-11-1997
			WO 9745983 A1	04-12-1997

BEST AVAILABLE COPY